

ADAPTIVE DATA FORMAT METHOD INTEGRATING SPARE SECTORS

ABSTRACT OF THE DISCLOSURE

The performance capability of different heads that are part of the same hard disk drive (HDD) are utilized by an adaptive format that includes a plurality of storage zones and at least one reset zone that are distributed along a radius of the hard disk such that a reset zone is disposed between two adjacent storage zones. Each storage zone has a plurality of associated data tracks and each reset zone includes a plurality of data tracks. The number of data tracks associated with each respective storage zone is based on a performance capability of a head associated with the hard disk and includes at least one data track of at least one reset zone adjacent to the storage zone when the number of data tracks associated with the storage zone exceeds the number of data tracks that are between each reset zone adjacent to the storage zone.